

KNOW YOUR FIRE EXTINGUISHERS

Fires are classified into five (5) classes. They are described below:

Class A



A fire extinguisher labeled with **letter "A"** is for use on Class A fires. Class A fires are fires that involve ordinary combustible materials such as cloth, wood, paper, rubber, and many plastics.



Class B



A fire extinguisher labeled with **letter "B"** is for use on Class B fires. Class B fires are fires that involve flammable and combustible liquids such as gasoline, alcohol, diesel oil, oil-based paints, lacquers, etc., and flammable gases.



Class C



A fire extinguisher labeled with **letter "C"** is for use on Class C fires. Class C fires are fires that involve energized electrical equipment.



Class D



A fire extinguisher labeled with **letter "D"** is for use on Class D fires. Class D fires are fires that involve combustible metals such as magnesium, titanium and sodium.



Class K



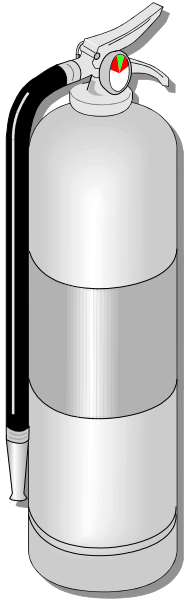
A fire extinguisher labeled with **letter "K"** is for use on Class K fires. Class K fires are fires that involve vegetable oils, animal oils, or fats in cooking appliances. This is for commercial kitchens, including those found in restaurants and cafeterias.



KNOW YOUR FIRE EXTINGUISHERS

Fire Extinguisher Types

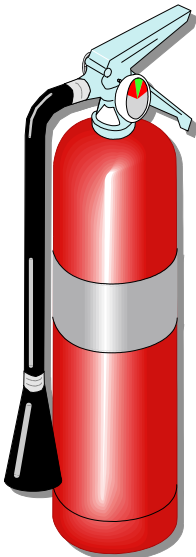
PRESSURIZED WATER



- Class “A” fires only.
- 2.5 gal. water at 150-175 psi (*up to 1 minute discharge time*).
- Has pressure gauge to allow visual capacity check.
- 30-40 ft. maximum effective range.
- Can be started and stopped as necessary.
- Extinguishes by cooling burning material below the ignition point.

Fire Extinguisher Types

MULTIPURPOSE DRY CHEMICAL

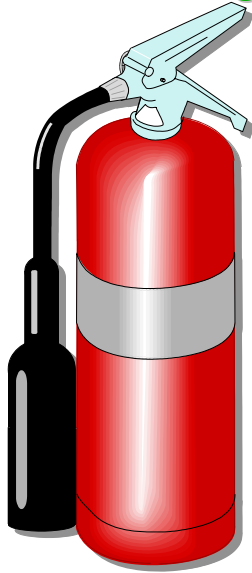


- Class “A”, “B”, or “C” fires.
- 2.5-20 lb. dry chemical (*ammonium phosphate*) pressurized to 50-200 psi by nitrogen gas (*8-25 seconds discharge time*).
- Has pressure gauge to allow visual capacity check.
- 5-20 ft. maximum effective range.
- Extinguishes by smothering burning materials.

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Fire Extinguisher Types

CARBON DIOXIDE (CO₂)



- Class “B” or “C” fires.
- 2.5-100 lb. of CO₂ gas at 150-200 psi (8-30 seconds discharge time).
- Has **NO** pressure gauge-- capacity verified by weight.
- 3-8 ft. maximum effective range.
- Extinguishes by **smothering** burning materials.
- Effectiveness **decreases** as temperature of burning material increases.

Fire Extinguisher Types (cont.)

COMBUSTIBLE METAL



- Class “D” combustible metal fires only.
- 30 lb. pressurized dry powder optimized for specific combustible metal 6-8 ft. maximum effective range.
- up to 20 seconds discharge time
- Extinguishes by **smothering** burning materials.

KNOW YOUR FIRE EXTINGUISHERS

Fire Extinguisher Types



WET CHEMICAL

A Trash Wood Paper



C Electrical Equipment



K Cooking Media



- Class “A”, “C”, and “K” fires.
- 1.5 gal. of stored pressure PRX wet chemical extinguishing agent (40 sec. discharge time).
- 10-12 ft. maximum effective range.
- On Class “K” fires, don’t use until **after** fixed extinguishing system has activated.
- Extinguishes by **cooling** and forming foam blanket to prevent re-ignition.



Fire Extinguisher Summary

EXTINGUISHER TYPE	WORKS BY	EFFECTIVE AGAINST
PRESSURIZED WATER	COOLING	A
CARBON DIOXIDE (CO2)	SMOTHERING	B C
MULTIPURPOSE DRY CHEMICAL	SMOTHERING	A B C
COMBUSTIBLE METAL	SMOTHERING	D
WET CHEMICAL	COOLING/ SMOTHERING	A C K

IF YOU DECIDE TO FIGHT FIRE, USE “P.A.S.S.” ACRONYM TO REMEMBER HOW TO OPERATE THE EXTINGUISHER PROPERLY - **P**ull Pin, **A**im At Base Of Fire, **S**queeze Handle, **S**weep Side To Side”.